



# Integrating Filecloud With Horizon 7

white paper

Learn how to use FileCloud and Horizon 7 together to improve user login experience and productivity.

## Introduction

This document will detail two powerful technologies – FileCloud and VMware Horizon 7 – and how they improve user login experience and productivity by seamlessly replicating end user profiles/home folders across data centers located in different geo locations.

Horizon 7 is often used by IT departments to run remote desktops and applications in their data center, delivering these desktops and applications to employees as managed services. This way, end-users get to work in a familiar and personalized environment that they can access from any personal devices, either in the workplace or from home; while administrators gain centralized control while maximizing efficiency and security by keeping desktop data in their data center.

What happens, however, when users find themselves travelling frequently from one location to another? Enter FileCloud. FileCloud seamlessly integrates with Horizon 7 infrastructure to replicate user profiles from across even the longest distances. This means that when a user moves from one workspace to another, their data, customizations, and configurations will already be right there waiting for them.

When these two technologies meet, you and your team will be able to enjoy a completely seamless desktop experience — never again will you find yourself trying to fix minor details that impair your productivity or sorting through piles of emails and flimsy USBs to transfer your data.

FileCloud enables data infrastructure modernization scenarios, thanks to its flexible cloud implementation, backup and disaster recovery support.

### - Gartner Magic Quadrant Report



## What is FileCloud?

FileCloud Server is a cloud-agnostic hyper-secure enterprise file-sharing solution. You can self-host FileCloud Server on your own on-premise servers and private data centers, or on public cloud IaaS providers such as AWS, Azure and Google Cloud.

A self-hosted solution such as FileCloud Server offers the same features and benefits of public cloud SaaS services like Box and Dropbox while avoiding the drawbacks commonly found in these services, such as expensive pricing and essential features locked behind paywalls.

FileCloud Server lets you run your own private cloud storage and sync solution for your employees, customers, and clients, all while maintaining complete control of your organizational data. FileCloud Server also helps you to increase ease-of-access to your existing organizational folder and file shares (Windows NTFS File Shares, CIFS, NFS, etc.) using a web portal and mobile apps without the need for a VPN.

## What is Horizon 7?

VMware Horizon® 7 lets IT departments run virtual machine (VM) desktops and applications on their data center, delivering these desktops and applications to employees as managed services. This computer-within-a-computer strategy enables multiple VMs to be run per physical server core.

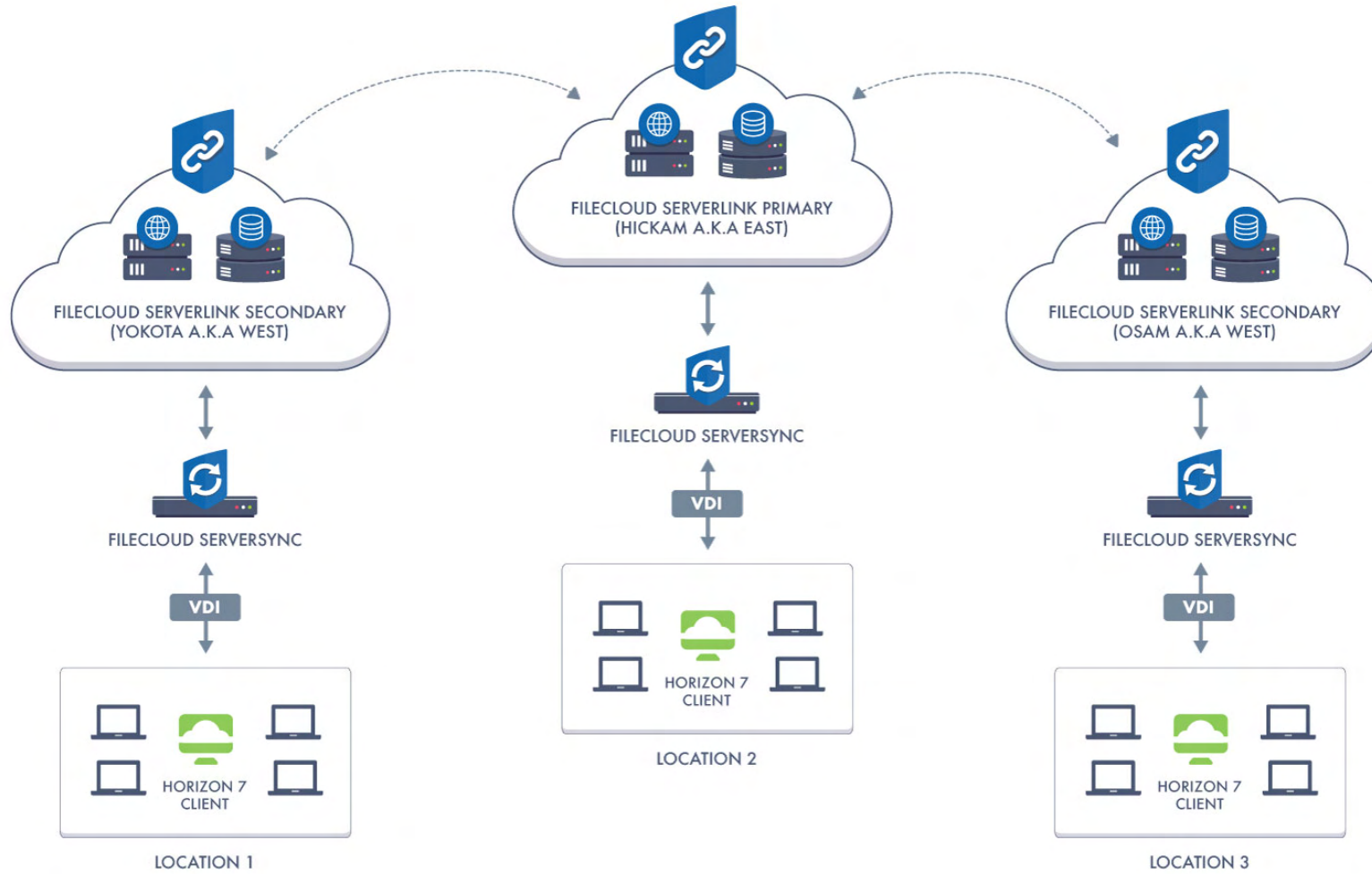
For administrators, this means desktop and application management can be simplified and automated. Admins can quickly create virtual desktops on-demand based on location and profile, then securely deliver this desktop service from a central location. End-users can then access their personalized virtual desktops or remote applications from their company devices, home PCs/Macs, tablets, and smartphones.

Horizon 7 is the leading platform for Windows desktop and application virtualization, providing a consistent user experience across devices and locations while keeping corporate data compliant with security regulations with secure storage in data centers. When VDI solutions first started appearing about a decade ago, the strategy was to take a Windows desktop system, virtualize it, and place it in the data center. Unlike this traditional VDI, Horizon 7 is built on technologies that allow components of a desktop or application to be decoupled and managed independently in a centralized manner, then reconstituted on-demand to deliver a personalized user workspace.

For example, when a user logs in, a virtual desktop can assemble itself on the fly by combining an instant clone of a master image (VM) with a user environment profile and one or more containerized applications that attach themselves to (but are not installed in) the VM.



# FileCloud Integration Diagram



## Configuration Requirements

- Each FileCloud server must be able to communicate with each other.
- When configuring FileCloud ServerLink, one server must be configured as the primary server, while all others must be configured as secondary servers running the ServerLink client as a service.

## FileCloud Servers Requirements

- OS: Windows Server 2016-2019 | Ubuntu 16.04 LTS | CentOS 7.0.x | RHEL 7.0.x
- RAM: 16GB - 32GB
- CPU: Intel(R) Xeon(R) CPU E5-2630L v2 or equivalent Quad-Core CPUs (2 GHz or higher) (the higher the better depending on additional configuration such as indexers, Solr, Preview services, etc)
- Disk Space / Storage: Custom Preference

## Horizon 7 Requirements

- Horizon 7 requirements may vary depending on the release version. For more details, refer to the following [VMware Documentation](#).

## Additional Information



FILECLOUD  
SERVERLINK

[Learn More](#)



FILECLOUD  
SERVERSYNC

[Learn More](#)



FILECLOUD  
SERVER

[Learn More](#)





## How Does It Work?

With today's modern technology, it has become an industry standard to be able to access your data from any location – either in your workspace, on-the-go for urgent matters, or at home on your personal devices in case of remote work. VMware's Horizon 7 accomplishes half of that equation by providing a superb VDI infrastructure that lets users access their company's data in a secure and reliable environment.

When a user accesses this environment after inputting their credentials: their profile configuration, DEM policies, and all other customizations load along with the environment, thereby providing users with a seamless workspace experience. However, what happens to the user's profile and preferences when they log into another location, such as a branch office?

When **FileCloud** is integrated into your Horizon7 infrastructure, **FileCloud ServerLink** is able to replicate all user data, profile, policies, and other configurations immediately as the user makes the change – even down to the desktop wallpaper.

Once data is replicated from one location to another with **FileCloud ServerLink**, **FileCloud ServerSync** then detects these changes and syncs them across any compatible paths, such as a UNC path.

So when a user travels from location A to location B and accesses the **Horizon 7** environment, all of their preferences, configuration and data will already be loaded on login! Since his data was replicated by **FileCloud ServerLink** from location A to B, and **FileCloud ServerSync** has synced the changes into the specified storage location at B, the user won't need to even wait a minute for his data to be pulled over – let alone fiddle with settings or manual storage devices – saving on valuable time that can be directed towards maximizing productivity and work output.



## What Does ServerSync Do?

FileCloud ServerSync is a desktop client that has been optimized to provide a uniquely seamless, bi-directional sync experience between your local environment and FileCloud Server. Horizon 7, when configured, has the capability to redirect a user profile to any location of their choice such as a NAS device, as well as the DEM profile containing all the user's preferences.

FileCloud can easily be configured to sync any changes to files where user and DEM profiles are stored. When the files are synced they are stored in a [Team Folder](#). These are FileCloud's common folders where teams and departments can store files for collaboration; they can be created only by admins or authorized users.

## What Does ServerLink Do?

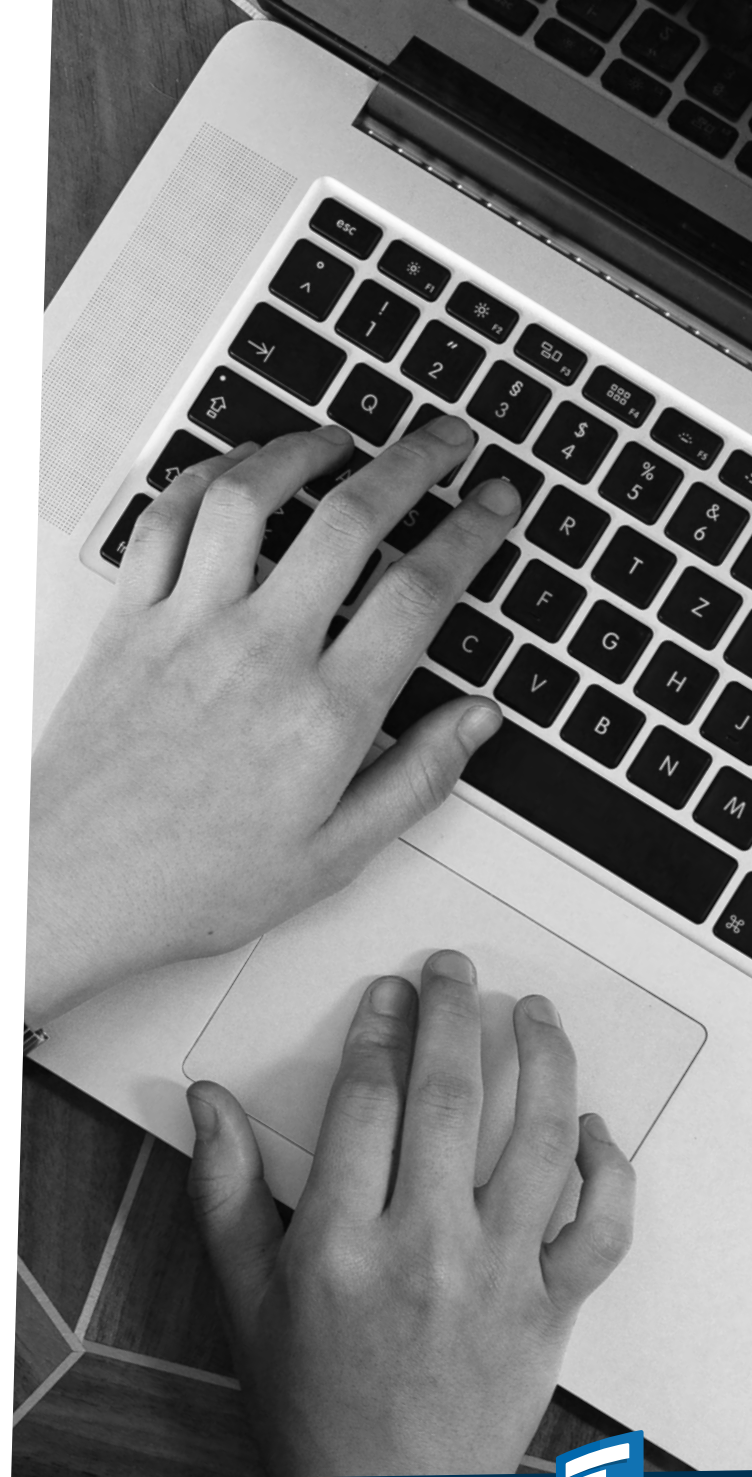
FileCloud ServerLink replicates a FileCloud site to another location seamlessly. Changes in one FileCloud server are seamlessly replicated to another site.

In other words, when FileCloud ServerSync synchronizes the file changes made by the user into FileCloud, ServerLink will automatically start replicating such changes to other FileCloud servers.



## FileCloud Integration Benefits

- **Seamless Integration:** No need to change your Horizon 7 infrastructure or configurations when integrating FileCloud.
- **Increased Security:** All data is replicated via HTTPS.
- **Seamless Desktop Experience for Users:** Users will be able to see the exact same things they had on their primary location after moving to a secondary location.
- **Immediate Data Replication:** Due to FileCloud's cutting-edge technology, stack replication is done quickly and unobtrusively, in the background.
- **No User Input Required:** Your users will use Horizon 7 as they already do, while FileCloud does all the heavy lifting silently in the background.
- **File-Recovery and Security:** Easily recover any deleted file or go back to a previous version, using FileCloud features such as file versioning and recycling bin. If someone on your team deletes a file or makes an unwanted change now, you can restore or recover it with just a couple of clicks.
- **Complete audit logs** of changes made to any file.
- **Complete Control Over Data:** FileCloud integration with Horizon 7 is completely on-premises.
- **Anti-virus Scanning and Workflows:** When using FileCloud, you can easily integrate your antivirus via ICAP or use ClamAV to detect compromised files and avoid threats from spreading.
- Great solution for **data contingency and backup!**



# About Us

A privately held software company, headquartered in Austin, Texas, USA, FileCloud is helping organizations thrive by providing hyper-secure content collaboration and processes solutions. FileCloud is used by millions of customers around the world, ranging from individuals to Global 2000 enterprises, educational institutions, government organizations, manufacturing companies, managed service providers and more.



13785 Research Blvd, Suite 125  
Austin TX 78750, USA

**Phone:** U.S: +1 (888) 571-6480  
**Fax:** +1 (866) 824-9584



**1M+**  
USERS



**3000+**  
ENTERPRISES



**100+**  
RESELLERS



**90+**  
COUNTRIES

support@filecloud.com  
<https://www.filecloud.com>



US Army Corps  
of Engineers



Deloitte.

## Copyright Notice

© 2022 FileCloud. All rights reserved.

No reproduction without written permission.

While all reasonable care has been taken in the preparation of this document, no liability is accepted by the authors, FileCloud, for any errors, omissions or misstatements it may contain, or for any loss or damage, howsoever occasioned, to any person relying on any statement or omission in this document.

